

**PROVISION OF SERVICES IN A COMMUNICATION SYSTEM INCLUDING
AN INTERWORKING MOBILE SWITCHING CENTER**

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ABSTRACT OF THE DISCLOSURE

10 A communication system includes User Equipment (111), Radio Access Network (RAN) (121), a packet-switched domain (131), an IP Multimedia Subsystem (IMS) (141), a circuit-switched domain (151), a Domain Name System (DNS) (165), a Charging Gateway Function (CGF) (134), an EIR (135), a Transport Signaling Gateway (T-SGW) (146), and a Roaming Signaling Gateway (R-SGW) (147). The CS domain (151) includes an interworking
15 Mobile Switching Center (iMSC) (201). The iMSC (201) translates the CS domain registration, call control, feature control, and feature invocation procedures associated with the access technology to standard SIP procedures. The media gateway (MGW) (173) under the
20 control of the iMSC (201) converts the air interface media flow into a packet stream that is managed by SIP procedures within the IMS (141). The iMSC (201) thereby allows for interworking between circuit-switched and packet-switched domains for provision of services to
25 subscribers.

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